

Oracle® Banking Virtual Account Management

Oracle Banking Liquidity Management Integration Guide



Release 14.7.5.0.0

G15721-01

September 2024

The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

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Purpose

This guide describes the systematic instruction to integrate Oracle Banking Virtual Account Management with Oracle Banking Liquidity Management and its specific maintenances.

Audience

This guide is primarily intended for the following user/user roles:

Table 1 Audience

Role	Function
Implementation and IT Staff	Implementation and maintenance of the software

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

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Oracle customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

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Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at [Critical Patches](#), [Security Alerts](#) and

Bulletins. All critical patches should be applied in a timely manner to ensure effective security, as strongly recommended by [Oracle Software Security Assurance](#).

Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

Related Resources

The related documents are as follows:

- *Oracle Banking Security Management System User Guide*
- *Oracle Banking Common Core User Guide*
- *Oracle Banking Getting Started User Guide*
- Oracle Banking Routing Hub Integration Guide
- Oracle Banking Liquidity Management User Guide

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Screenshot Disclaimer

Personal information used in the interface or documents are dummy and does not exist in the real world. It is only for reference purposes.

Acronyms and Abbreviations

The list of acronyms and abbreviations that are used in this guid are as follows:

Table 2 Acronyms and Abbreviations

Abbreviation	Description
API	Application Programming Interface

1

Integration Guide

This topic provides the information on the integration of Oracle Banking Virtual Account Management with Oracle Banking Liquidity Management.

- [Maintenance for Oracle Banking Virtual Account Management](#)
This topic describes the specific maintenances required for Oracle Banking Virtual Account Management to integrate with Oracle Banking Liquidity Management.
- [Maintenance for Oracle Banking Liquidity Management](#)
This topic describes the specific maintenances required for Oracle Banking Liquidity Management to integrate with Oracle Banking Virtual Account Management.
- [Event Based flow from Oracle Banking Virtual Account Management to Oracle Banking Liquidity Management](#)
This topic describes the Event Based flow from Oracle Banking Virtual Account Management to Oracle Banking Liquidity Management.
- [Maintenance for Interest and Charges services](#)
This topic describes the specific maintenances required for Interest and Charges services to integrate with Oracle Banking Virtual Account Management through Oracle Banking Routing Hub.

1.1 Maintenance for Oracle Banking Virtual Account Management

This topic describes the specific maintenances required for Oracle Banking Virtual Account Management to integrate with Oracle Banking Liquidity Management.

Specify **User ID** and **Password**, and login to **Home** screen.

Upload Source Maintenance

Maintain the source code for Oracle Banking Liquidity Management in the **Upload Source** screen to enable the auto authorization for service APIs.

Refer to ***Oracle Banking Common Core User Guide*** for a detailed explanation.

1. On **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Upload Source**.
2. Under **Upload Source**, click **Create Upload Source**.

The **Create Upload Source** screen displays.

Figure 1-1 Create Upload Source

The screenshot shows a web form titled "Create Upload Source". At the top, there are four input fields: "Source Code" containing "OBLM", "Source Description" containing "Oracle Banking Liquidity Management", "Base Data From Flexcube" with an off toggle, and "System Authorization Required" with an on toggle. The main body of the form is a large empty area with a decorative circular pattern. At the bottom right, there are "Cancel" and "Save" buttons.

User Maintenance

Create a user for Oracle Banking Liquidity Management and assign a role for the user to post journal transactions, to fetch value dated and to sweep balance in Oracle Banking Virtual Account Management.

Refer to *Oracle Banking Security Management System User Guide* for a detailed explanation.

3. On **Home** screen, click **Security Management**. Under **Security Management**, click **User**.
4. Under **User**, click **Create User**.

The **Create User** screen displays.

Figure 1-2 Create User

The screenshot shows the 'Create User' form with the following sections and fields:

- User Details:** Name (OBLMUSER), Login ID (OBLMUSER), Home Branch (006).
- Status:** User Status (Enable), Status Changed On, Is Supervisor (checkbox), Manager ID, Start Date (May 18, 2021), End Date (May 23, 2023), System User (checkbox).
- Other Details:** Access to PII (checkbox), Staff Customer Restriction Required (checkbox), Customer ID, Email ID, Telephone Number, Home Phone Number, Mobile Number, Fax, Language Code (Required).
- User Role Branches:** Table with columns: Branch Code, Role Code, Role Description. Page 1 of 1 (1 of 1 items).
- User Applications:** Table with columns: Application Name, Application Description. Page 1 of 1 (1 of 1 items). Includes a 'Select All Applications' button.
- Customer Access Groups:** Table with columns: Customer Access Group, Customer Access Description. No data to display. Page 1 (0 of 0 items).

Buttons for 'Cancel' and 'Save' are located at the bottom right of the form.

1.2 Maintenance for Oracle Banking Liquidity Management

This topic describes the specific maintenances required for Oracle Banking Liquidity Management to integrate with Oracle Banking Virtual Account Management.

Specify **User ID** and **Password**, and login to **Oracle Banking Liquidity Management System**.

Refer to **Oracle Banking Liquidity Management User Guide** for a detailed explanation.

User Linkage Maintenance

Maintain the User Customer Linkage in the **UserLinkage** screen.

Make sure that the User Linkage maintenance is performed for the header User ID provided to Oracle Banking Virtual Account Management for the Virtual Account and Structure handoff, and the real customer to whom the Virtual Account and Structure is getting handed off from Oracle Banking Virtual Account Management.

1. On **Liquidity Management**, click **Maintenance**. Under **Maintenance**, click **User Linkage**.

- Under **User Linkage**, click **Create User Linkage**.

The **Create User Linkage** screen displays.

Figure 1-3 Create User Linkage

Use the below APIs for getting value dated balance, sweep eligible balance and post liquidation entries to Oracle Banking Virtual Account Management.

Table 1-1 List of APIs

S No	Action	Operation	Endpoint
1	GET Value Dated Balance	GET	/obvam-account-services/service/getVDBalance?virtualAccountNumber=xxxx
2	GET Sweep Eligible Balance & Valued Dated Dated Balance	GET	/obvam-account-services/service/sweepandvaluedatedbalance?virtualAccountNumber=xxx&valueDate=yyyymm-dd
3	EAC (External Account Check)	POST	/obvam-transaction-journal-services/service/eac
4	ECA - Amount Block Creation	POST	/obvam-eca-services/service/ecablock host:port/obvam-eca-services/service/ecablock
5	Transaction Create	POST	/obvam-transaction-journal-services/service/txns
6	Transaction Posting with Skip DDA	POST	/obvam-transaction-journal-services/service/txnPostingWithSkipDda

1.3 Event Based flow from Oracle Banking Virtual Account Management to Oracle Banking Liquidity Management

This topic describes the Event Based flow from Oracle Banking Virtual Account Management to Oracle Banking Liquidity Management.

Vamlm Account Event:

- A Kafka event is raised on creation/modification of a Virtual Account with Liquidity Management Allowed flag as Yes.

- This event is consumed at Oracle Banking Liquidity Management which creates the customer if not already present and the virtual accounts

Prerequisites (at Oracle Banking Liquidity Management)

- The auto authorization needs to be true for Oracle Banking Virtual Account Management source in **Create Upload Source** screen.
- The system user needs to be maintained as a day 0 activity using which the customer and account can be created in Oracle Banking Liquidity Management.
- Virtual Account branch should be already available in Oracle Banking Liquidity Management.

1.4 Maintenance for Interest and Charges services

This topic describes the specific maintenances required for Interest and Charges services to integrate with Oracle Banking Virtual Account Management through Oracle Banking Routing Hub.

Specify **User ID** and **Password**, and login to **Home** screen.

1. In Oracle Banking Routing Hub, create an entry for the integration of Oracle Banking Virtual Account Management with Interest and Charges services. Provide the details of account handoff and other details along with the header information. Refer to **Oracle Banking Routing Hub Integration Guide** for a detailed explanation.

Upload Source Maintenance for Interest and Charges services

Perform the maintenance for Interest and Charges services in the **Upload Source** screen to enable auto authorization for service APIs.

Refer to **Oracle Banking Common Core User Guide** for the detailed explanation.

2. On **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Upload Source**.
3. Under **Upload Source**, click **Create Upload Source**.

The **Create Upload Source** screen appears.

Figure 1-4 Create Upload Source - Interest and Charges services

The screenshot shows a web form titled "Create Upload Source". It has a header bar with the title and window control icons. Below the header, there are four input fields arranged horizontally: "Source Code" containing "IC", "Source Description" containing "Interest and Charges", "Base Data From Flexcube" with an unchecked toggle switch, and "System Authorization Required" with a checked toggle switch. The main area of the form is filled with a decorative pattern of overlapping circles. At the bottom right corner, there are two buttons: "Cancel" and "Save".

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